GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:1004
ANSWERED ON:08.02.2017
Regional Positioning System
Siddeshwara Shri Gowdar Mallikarjunappa

Will the Minister of SPACE be pleased to state:

(a) whether Indian Space Research Organisation (ISRO) is undertaking a project to deploy a regional positioning system for India and if so, the details thereof; and

(b) the details of progress made in this regard and budget allocated for the project and the details of the benefit of such project?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

(a) Yes Madam. Indian Space Research Organisation (ISRO) has deployed an indigenous regional positioning system for India named as "Navigation with Indian Constellation" (NavIC). It consists of seven satellites in a constellation to provide Position, Navigation and Timing (PNT) services in Indian mainland and surrounding region up to 1500 Km. It provides two types of services viz. Standard Positioning Service (SPS) and Restricted Service (RS).

(b) All the seven satellites of the constellation have been placed in designated orbits. The ground segment comprising of 15 Ranging and Integrity Monitoring Station, 2 Navigation Centres, Network Timing Facility with redundancy and 1 Satellite Control Facility have been established. A budget of Rs.1420 Crore has been approved by the Government for the realisation of the system including satellites and associated ground segment.

The benefits of NavIC system include − (i) establishing India's own independent navigational satellite system providing position, navigation and timing services and (ii) enabling applications in the areas viz. terrestrial, aerial & marine navigation, precise timing services, vehicle tracking, fleet management, mapping survey and geodetic data capture, disaster management support.

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